



Manufacturing in Virginia

SIC 35 Industrial Machinery



707 East Main Street, Suite 300
P.O. Box 446
Richmond, VA 23218-0446
(804) 371-8200
www.dba.state.va.us

For more information contact Jay Ruehrmund at 804.371.0071 or by
email jruehrmund@dba.state.va.us

Overall Assessment

- Largest manufacturing industry nationally, fourth largest in Virginia.
- Second fastest growing manufacturing industry in Virginia, both in number of jobs and percentage.
- Third largest number of manufacturing establishments in Virginia, second largest nationally.
- Has almost tripled its share of Virginia's manufacturing employment since 1969.
- Third largest exporter of Virginia manufactured goods.

Employment

	Virginia		U.S.	
	Employment	Rank	Employment	Rank
1958	3,700	15	1,362,400	3
1969	9,700	16	2,032,600	2
2000	28,700	4	2,127,700	1

Source: U.S. Department of Labor, Bureau of Labor Statistics.

Employment Trends

Absolute Employment Growth

	Virginia		U.S.	
	Absolute Employment Change	Rank	Absolute Employment Change	Rank
1958-2000	+25,000	2	+765,300	1
1958-1969	+6,000	7	+670,200	2
1969-2000	+19,000	2	+95,100	4

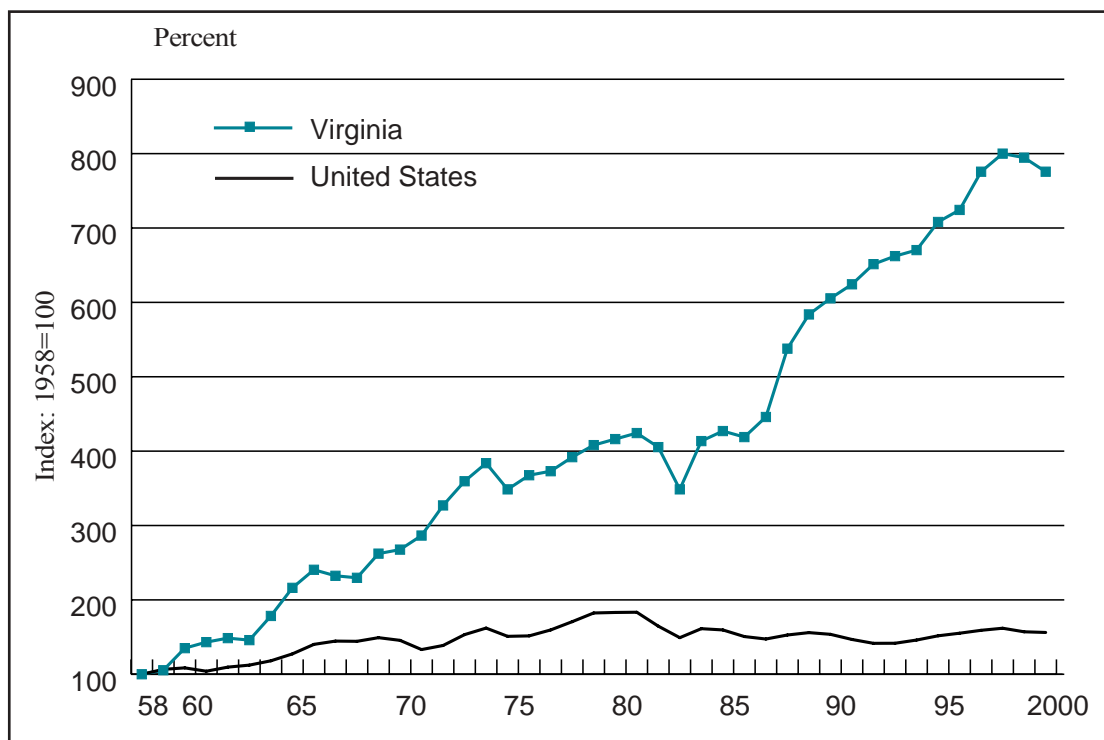
Source: U.S. Department of Labor, Bureau of Labor Statistics.

Relative Employment Growth

Virginia Annual Average Growth Rates						
	Growth Rate 1958-2000	Rank	Growth Rate 1958-69	Rank	Growth Rate 1969-2000	Rank
Industrial Machinery						
Virginia	5.0%	1	9.2%	2	3.6%	2
U.S.	1.1%	4	3.7%	2	0.1%	5
Nonagricultural Employment	3.1%		3.7%		2.9%	
Manufacturing	1.0%		3.4%		0.2%	
Durable Goods	1.9%		4.5%		1.0%	

Source: U.S. Department of Labor, Bureau of Labor Statistics.

Employment Change 1958-2000



Source: U.S. Department of Labor, Bureau of Labor Statistics.

Establishments

Number of Establishments

	Virginia		U.S.	
	Establishment	Rank	Establishments	Rank
Industrial Machinery	779	3	63,165	2
Manufacturing	6,908	--	413,506	--
Industrial Machinery as a % of Mfg.	11.3%		15.3%	

Source: U.S. Department of Labor, Bureau of Labor Statistics.

Employment per Establishment

	Virginia		U.S.	
	Employment	Rank	Employment	Rank
Industrial Machinery	38	14	34	15
Manufacturing	57	--	45	--

Source: U.S. Department of Labor, Bureau of Labor Statistics.

Payroll

Payroll per Employee

	Virginia		U.S.	
	Payroll per Employee	Rank	Payroll per Employee	Rank
Industrial Machinery	\$35,604	11	\$48,730	7
Manufacturing	\$35,767	--	\$41,941	--
Industrial Machinery as a % of Mfg.	99.5%		116.2%	

Source: U.S. Department of Labor, Bureau of Labor Statistics.

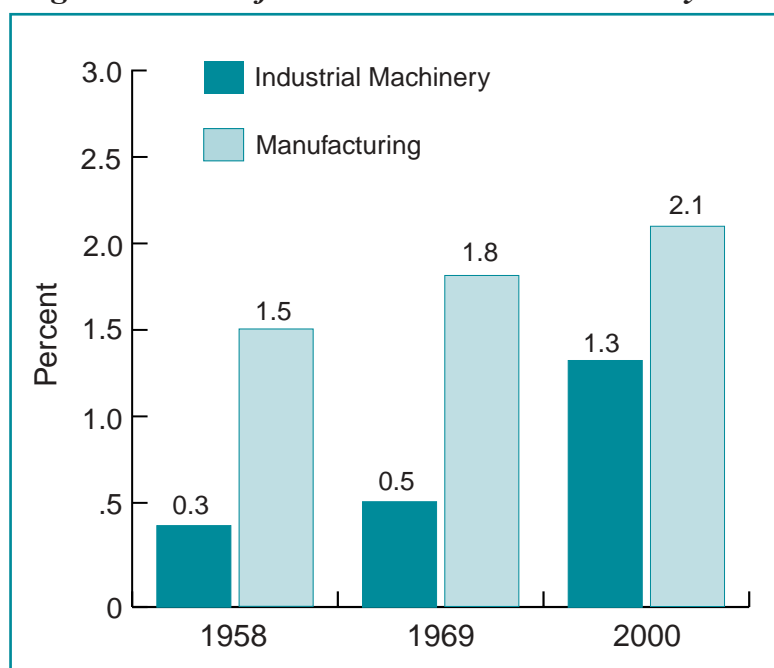
Exports

Virginia Exports		
	Industrial Machinery	Manufacturing
2000	\$1,043,258,000	\$9,395,636,000
1995	\$1,008,040,000	\$9,294,115,000
Export Growth, 1995-2000	3.5%	1.1%
Share of Manufactured Goods Exports, 2000	11.1%	--

Source: U.S. Department of Commerce.

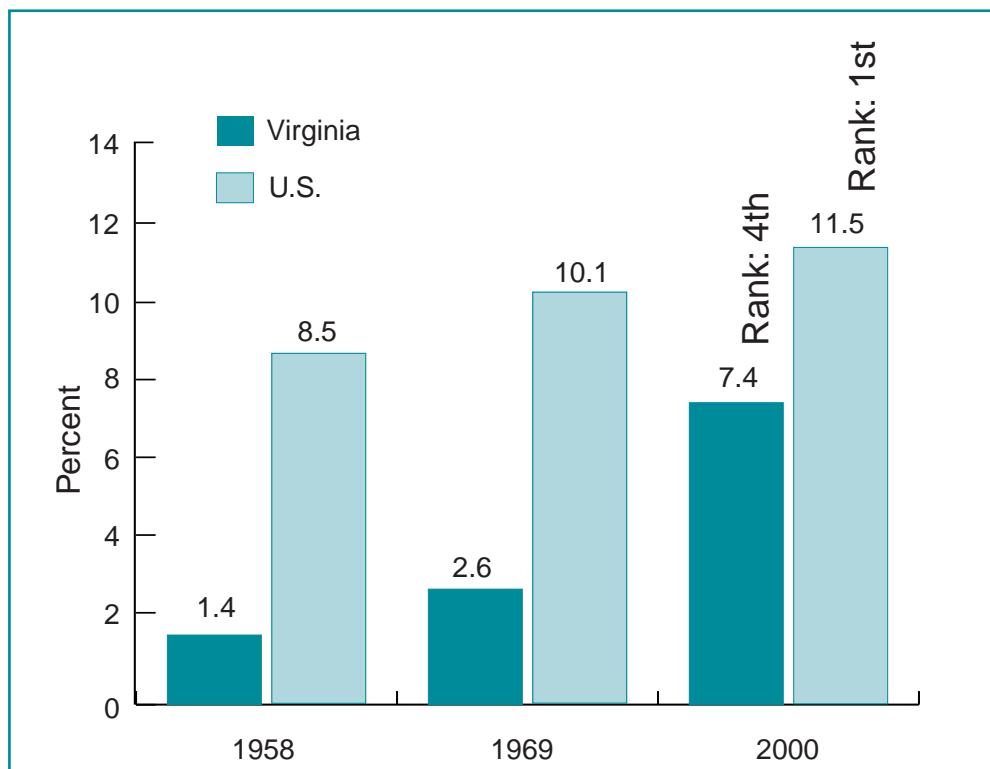
Industry Importance

Virginia's Share of National Industrial Machinery Industry



Source: U.S. Department of Labor, Bureau of Labor Statistics.

Industry's Share of Manufacturing Employment



Source: U.S. Department of Labor, Bureau of Labor Statistics.

Industry Trends

Virginia employment distribution: refrigeration and service machinery (18 percent); industrial machinery, nec (16 percent); computer and office equipment (15 percent); construction and related machinery (14 percent); general industrial machinery (12 percent); special industrial machinery (11 percent); and metalworking machinery (10 percent).

- Industrial machinery encompasses a wide range of products, making generalizations difficult. On the national level, manufacturers of refrigeration and heating equipment have been facing a gradually increasing threat from foreign imports during the past 30 years. In Virginia, however, producers in this segment have responded to foreign competition by exporting to many countries. Other segments, such as machine shops in SIC 3599, Machinery, Except Electrical, Not Elsewhere Classified, primarily provide support services to local manufacturing businesses and have expanded along with their customers.
- Some segments of the industrial machinery industry, such as machine tools and production machinery, are strongly influenced by fluctuations in the business cycle. Industry stability during the 1990s was due primarily to the growth of exports and expansion of the U.S. economy.
- Approximately one-third of U.S. production machinery shipments are exported. The U.S. is the world's leading producer of production machinery, accounting for 20 to 25 percent of the market.